

nucleoplasmin NLS (KRPAAIKKAGQAKKKK) (SEQ ID NO:2). NLS-containing proteins bind Importin  $\alpha$  in the cytoplasm and are imported into the nucleus.

After the Oath/Declaration, insert the Sequence Listing submitted herewith.

**REMARKS**

Favorable consideration of this application and entry of the foregoing amendments are respectfully requested.

The specification has been amended to make reference to sequence identifiers and to include the Sequence Listing submitted herewith on separate sheets. Entry of the Sequence Listing does not raise the issue of new matter as the sequence information contained therein is presented in the application as originally filed. The computer readable copy of the Sequence Listing submitted herewith is believed to be the same as the attached paper copy of that Listing.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page is captioned "**Version With Markings To Show Changes Made.**"

KOUZARIDES -- Serial No.: 09/744,469

An early and favorable Action on the merits is  
requested.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE SPECIFICATION:

The paragraph beginning at page 3, line 6:

Importin  $\alpha$  is a shuttling NLS ("nuclear localisation signal") receptor which mediates the import into the nucleus of NLS-containing proteins. Exemplary NLS's include the SV40 T antigen NLS (PKKKRKV) (SEQ ID NO:1) and the bipartite nucleoplasmin NLS (KRPAAIKKAGQAKKKK) (SEQ ID NO:2). NLS-containing proteins bind Importin  $\alpha$  in the cytoplasm and are imported into the nucleus.